

# Weekly Report

2017.08.14-2017.08.20

## 1. This Week

### Summarization Form

Task	Progress	Finish Time
Waveline	Almost finish the system revision but there are still some design choices and interaction details to make. The paper is half-revised to the system design section. Next week we'll decide the evaluation method and do the evaluation.	9.15
Survey	Just started. Reorganize the materials.	10.30?
Foundation Material	Not started yet.	10.30
waveline revision for tist special issue	Change the template of the paper.	8.31

### Wavelines

1.Revise the waveline system, including:

- Fill the missing data. For each data sample, values of four nodes in the power grid is lost. We fill the missing data by computing the mean value of nearby nodes.
- Revise the glyph design. The glyph design we choose last week turned out to be confused when encoding two variables. So we show two rings around the circle to encode two variables.
- Revise the scale method. Log scale itself doesn't work well to reduce the value difference. So we try to compute the extremum value of the entire time period and use a certain proportion of the extremum to reduce the difference.
- Add more interactions. Drag and sort in the waveline view, zoom in/out in the topology view (when zooming in, the number of time windows showing on the glyph increases).

2.Revise the system design section of waveline and looking for proper evaluation methods.

### Survey about power grid

- 1.Get the materials from Dongming.
- 2.Talk to Zhu Yali about the survey and plan for it.
- 3.Reorganize the materials.

### Others

- 1.Take Prof. Floriani and Samet around Hangzhou for one day.
- 2.Attend the TVCG workshop.
- 3.Do the paper work thing of participating VIS.

## **2. TODO**

1. Revise the waveline system and paper and do the evaluation.
2. Start the survey writing.